

Application No. 09/905,215

Page 2 of 11

IN THE CLAIMS

1. (currently amended) A method for routing information in a communication system that includes a platform and a spoofing apparatus configured to perform a plurality of performance enhancing functions over connections established within the communication system, the method comprising:
 - receiving the information from the platform;
 - ~~and receiving at least one of spoofing selection parameters and one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection~~, wherein the spoofing apparatus maintains a profile that contains the ~~at least one of the spoofing selection parameter and the spoofing parameters~~; and
 - routing the information in accordance with the profile.
2. (original) The method of claim 1, further comprising:
determining a path that the information takes to reach its destination based on the profile.
3. (original) The method of claim 2, further comprising:
determining the path by applying spoofing rules.
4. (original) The method of claim 2, wherein the path is determined based on connection control blocks.
5. (original) The method of claim 4, wherein connection control blocks are allocated using a hash function.
6. (original) The method of claim 4, wherein connection control blocks are allocated using a mapping table.

7. (original) The method of claim 3, wherein the spoofing rules are mapped to the profile.

8. (original) The method of claim 1, further comprising:
receiving the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

9. (original) The method of claim 1, further comprising:
receiving at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

10. (original) The method of claim 1, further comprising:
applying multiple spoofing rules using boolean operators.

11. (original) The method of claim 1, further comprising:
compensating for maximum segment size mismatches.

12. (original) The method of claim 11, wherein said compensating includes dynamically resizing data segments which comprise the information before forwarding the data segments.

13. (original) The method of claim 11, wherein the profile further includes a maximum segment size.

14. (original) The method of claim 11, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

Application No. 09/905,215

Page 4 of 11

15. (currently amended) A communication system comprising:
a platform configured to provide performance enhancing functions over
connections established within the communication system, the platform supplying
information and at least one of spoofing selection parameters and one or more spoofing
parameters and a spoofing selection parameter for specifying a rule for applying the
spoofing parameters, wherein the spoofing parameters include information for
specifying whether spoofing is enabled for a selected one of the connections and
priority information specifying priority treatment of the selected connection; and
a spoofing apparatus communicating with the platform, the spoofing apparatus
being configured to receive the information and the at least one of spoofing selection
parameter and the spoofing parameters from the platform, wherein the spoofing
apparatus has a profile that specifies at least one of spoofing selection parameter and
the spoofing parameters, wherein the communication system is configured to rout the
information in accordance with the profile.
16. (original) The communication system of claim 15, wherein the spoofing
apparatus determines a path that the information takes to reach its destination.
17. (original) The communication system of claim 16, wherein the spoofing
apparatus determines the path by applying spoofing rules.
18. (original) The communication system of claim 16, wherein the path is
determined based on connection control blocks.
19. (original) The communication system of claim 18, wherein connection
control blocks are allocated using a hash function.
20. (canceled)

Application No. 09/905,215

Page 5 of 11

21. (original) The communication system of claim 18, wherein connection control blocks are allocated using a mapping table.
22. (original) The communication system of claim 17, wherein the spoofing rules are mapped to the profile.
23. (original) The communication system of claim 15, wherein the spoofing apparatus receives the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.
24. (original) The communication system of claim 15, wherein the spoofing apparatus receives at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.
25. (original) The communication system of claim 15, wherein the spoofing apparatus can apply multiple spoofing rules, combined using boolean operators.
26. (original) The communication system of claim 15, further comprising: compensating for maximum segment size mismatches.
27. (original) The communication system of claim 26, wherein said compensating includes dynamically resizing data segments which comprise the information before forwarding the data segments.
28. (original) The communication system of claim 26, wherein the profile further includes a maximum segment size.
29. (original) The communication system of claim 26, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

30. (currently amended) A spoofing apparatus for routing information in a communication system that includes a platform configured to perform a plurality of performance enhancing functions over connections established within the communication system, the apparatus comprising:

means for receiving the information and ~~at least one of spoofing selection parameters and one or more~~ spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection,

means for maintaining a profile containing the ~~at least one of spoofing selection parameter and the~~ spoofing parameters; and

means for routing the information in accordance with the profile.

31. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus determines a path that the information takes to reach its destination.

32. (original) The spoofing apparatus of claim 31, wherein the spoofing apparatus determines the path by applying spoofing rules.

33. (original) The spoofing apparatus of claim 31, wherein the path is determined based on connection control blocks.

34. (original) The spoofing apparatus of claim 33, wherein connection control blocks are allocated using a hash function.

35. (original) The spoofing apparatus of claim 33, wherein connection control blocks are allocated using a mapping table.

Application No. 09/905,215

Page 7 of 11

36. (original) The spoofing apparatus of claim 32, wherein the spoofing rules are mapped to the profile.

37. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus receives at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

38. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus receives at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

39. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus can apply multiple spoofing rules, combined using boolean operators.

40. (original) The spoofing apparatus of claim 30, further comprising: compensating for maximum segment size mismatches.

41. (original) The spoofing apparatus of claim 40, wherein said compensating includes dynamically resizing data segments which comprise the information before forwarding the data segments.

42. (original) The spoofing apparatus of claim 40, wherein the profile further includes a maximum segment size.

43. (original) The spoofing apparatus of claim 40, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

Application No. 09/905,215

Page 8 of 11

44. (currently amended) A computer-readable medium carrying one or more sequences of one or more instructions for routing information in a communication system that includes comprises a platform and a spoofing apparatus configured to perform a plurality of performance enhancing functions, the one or more sequences of one or more instructions including comprising instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

receiving receive the information from the platform and receiving at least one of spoofing selection parameters and one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection, wherein the spoofing apparatus maintains a profile that contains the at least one of spoofing selection parameter and the spoofing parameters; and routing to route the information in accordance with the profile.

45. (original) The computer-readable medium of claim 44, further comprising: determining a path that the information takes to reach its destination based on the profile.

46. (original) The computer-readable medium of claim 45, further comprising: determining the path by applying spoofing rules.

47. (original) The computer-readable medium of claim 45, wherein the path is determined based on connection control blocks.

48. (original) The computer-readable medium of claim 47, wherein connection control blocks are allocated using a hash function.

49. (original) The computer-readable medium of claim 47, wherein connection control blocks are allocated using a mapping table.

Application No. 09/905,215

Page 9 of 11

50. (original) The computer-readable medium of claim 46, wherein the spoofing rules are mapped to the profile.

51. (original) The computer-readable medium of claim 44, further comprising: receiving the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

52. (original) The computer-readable medium of claim 44, further comprising: receiving at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

53. (original) The computer-readable medium of claim 44, further comprising: applying multiple spoofing rules using boolean operators.

54. (original) The computer-readable medium of claim 44, further comprising: compensating for maximum segment size mismatches.

55. (original) The computer-readable medium of claim 54, wherein said compensating includes dynamically resizing data segments which comprise the information before forwarding the data segments.

56. (original) The computer-readable medium of claim 54, wherein the profile further includes a maximum segment size.

57. (original) The computer-readable medium of claim 54, wherein the profile further includes a parameter for disabling three-way handshake spoofing.